

GenCore version 4.5
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OM nucleic - nucleic search, using sw model.

Run on: December 6, 2001, 08:36:08 ; Search time 76.13 Seconds
(without alignments)
2968.935 Million cell updates/sec

Title: US-09-578-458-1
 Perfect score: 998
 Sequence: 1 ggttccaggaaactcaggatc.....gtgttatgtataaacctctgg 998

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

1. **Introduction**

2. **Background**

3. **Methods**

4. **Results**

5. **Conclusion**

6. **References**

7. **Appendix**

8. **Table 1**

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10. **Table 3**

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Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Length	DB	ID	Description
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2	110.8	11.1	2648	4	US-09-417-455-6	Sequence 6, Appli
3	103.4	10.4	1710	3	US-09-000-630C-1	Sequence 1, Appli
4	103.4	10.4	1710	3	US-08-862-730C-1	Sequence 1, Appli
5	95	9.5	462	3	US-08-798-414-1	Sequence 1, Appli
6	95	9.5	462	4	US-09-131-247-1	Sequence 1, Appli
7	95	9.5	474	1	US-08-476-860-9	Sequence 9, Appli
8	95	9.5	474	2	US-08-910-733-9	Sequence 9, Appli
9	95	9.5	474	2	US-08-910-884-9	Sequence 9, Appli
10	95	9.5	514	1	US-08-284-784-4	Sequence 9, Appli
11	95	9.5	514	2	US-08-854-811-4	Sequence 41, Appl
12	95	9.5	531	2	US-08-809-185-1	Sequence 1, Appli
13	95	9.5	534	3	US-09-000-630C-24	Sequence 24, Appl
14	95	9.5	534	3	US-08-862-730C-24	Sequence 24, Appl
15	95	9.5	543	1	US-08-422-655-1	Sequence 1, Appli
16	95	9.5	579	1	US-08-476-860-12	Sequence 12, Appl
17	95	9.5	579	2	US-08-910-733-12	Sequence 12, Appl
18	95	9.5	579	2	US-08-910-884-12	Sequence 12, Appl
19	95	9.5	602	1	US-08-459-811-1	Sequence 1, Appli
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21	95	9.5	602	2	US-08-459-814-1	Sequence 1, Appli
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24	95	9.5	603	1	US-08-484-598-1	Sequence 1, Appli
25	95	9.5	603	2	US-08-479-140-1	Sequence 1, Appli
26	95	9.5	603	3	US-08-477-143-1	Sequence 1, Appli
27	95	9.5	1717	1	US-08-284-784-40	Sequence 40, Appl

28	95	9.5	717	2	US-08-854-811-40	Sequence 40, Appl
29	94	9.4	537	3	US-09-000-630C-27	Sequence 27, Appl
30	94	9.4	537	3	US-08-862-730C-27	Sequence 27, Appl
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32	93.8	9.4	24240	2	US-08-724-394A-21	Sequence 21, Appl
33	93.8	9.4	24240	2	US-08-724-394A-22	Sequence 22, Appl
34	92.6	9.3	1637373	3	US-09-128-155-17	Sequence 17, Appl
35	92.4	9.3	537	3	US-09-000-630C-25	Sequence 25, Appl
36	92.4	9.3	537	3	US-08-862-730C-25	Sequence 25, Appl
37	88.4	8.9	534	3	US-09-000-630C-26	Sequence 26, Appl
38	88.4	8.9	534	3	US-08-862-730C-26	Sequence 26, Appl
39	84.6	8.5	475	4	US-09-131-247-3	Sequence 3, Appl
40	84.6	8.5	1167	4	US-09-131-247-15	Sequence 15, Appl
41	84.6	8.5	1170	4	US-09-131-247-13	Sequence 13, Appl
42	71.2	7.1	357	4	US-09-417-455-1	Sequence 1, Appl
43	71.2	7.1	385	4	US-09-417-455-2	Sequence 2, Appl
44	68	6.8	5751	4	US-09-417-455-7	Sequence 7, Appl
45	68	6.8	7605	4	US-09-417-455-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-09-417-455-4
; Sequence 4, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455

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; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (73)...(537)
; US-09-417-455-4

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Db	87	ggactatgtctccgaatgaaggctcggaattacaagtgctttatctgcataataacca	146		


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; NAME: ZINDRICK, Thomas D.
; REGISTRATION NUMBER: 32,185
; REFERENCE/DOCKET NUMBER: A-365C
; INFORMATION FOR SEQ ID NO: 1:
; -SEQUENCE CHARACTERISTICS:
;   LENGTH: 462 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 1..462
;     NAME/KEY: misc_feature
;     LOCATION: 1..3
;   OTHER INFORMATION: /note="Initial methionine is
;   OTHER INFORMATION: optional."
; US-08-798-414-1

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Best Local Similarity 61.5%; Pred. No. 6.9e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 223 ttttcttgaggatccagggagggagcgctgcctgcatgtgtggagacagaaggggc 282
Db 170 TGTTCCTGGGAATCCATCGAGGGAAGATGCTCTGCTGTCTGCTCAAGTCTGGTGATGAGA 229

QY 283 cttccctacagctggaggtgtaacattgaggaactgtacaaaggtgtgtaagaggcca 342
Db 230 CCAGACTCCAGCTGGAGGCGATTAACACTACTGACCTGACGAGAACAGAAAGCAGGACA 289

QY 343 cagcgttcacctcttcacagagcagctcaggtccgccttcaggcttgaggctgctgct 402
Db 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCCCCACCACCAAGTTTGTGCTGCCGCCT 349

QY 403 ggcctggctgttctctgtgtgcccggcagagccccagcagccagctcacaccagg 462
Db 350 GCCCCGGTTGGTTCCTCTGTCACAGCGATGGAAGCTGACCAAGCCGTCAGCTCACCAATA 409

QY 463 agagtga 469
Db 410 TGCCTGA 416

RESULT 6
US-09-131-247-1
; Sequence 1, Application US/09131247
; Patent No. 6294170
; GENERAL INFORMATION:
; APPLICANT: Boone, Thomas C.
; APPLICANT: Hershenson, Susan
; APPLICANT: Bevilacqua, Michael P.
; APPLICANT: Collins, David S.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY
; TITLE OF INVENTION: DISEASES
; FILE REFERENCE: A-365F
; CURRENT APPLICATION NUMBER: US/09/131,247
; CURRENT FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 60/055,185
; EARLIER FILING DATE: 1997-08-08
; EARLIER APPLICATION NUMBER: PCT/US 97/02131
; EARLIER FILING DATE: 1997-02-10
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(462)
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; OTHER INFORMATION: Initial methionine is optional
; US-09-131-247-1

Query Match          9.5%; Score 95; DB 4; Length 462;
Best Local Similarity 61.5%; Pred. No. 6.9e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 223 ttttcttgaggatccagggagggagcgctgcctgcatgtgtggagacagaaggggc 282
Db 170 TGTTCCTGGGAATCCATCGAGGGAAGATGCTCTGCTGTCTGCTCAAGTCTGGTGATGAGA 229

QY 283 cttccctacagctggaggtgtaacattgaggaactgtacaaaggtgtgtaagaggcca 342
Db 230 CCAGACTCCAGCTGGAGGCGATTAACACTACTGACCTGACGAGAACAGAAAGCAGGACA 289

QY 343 cagcgttcacctcttcacagagcagctcaggtccgccttcaggcttgaggctgctgct 402
Db 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCCCCACCACCAAGTTTGTGCTGCCGCCT 349

QY 403 ggcctggctgttctctgtgtgcccggcagagccccagcagccagctcacaccagg 462
Db 350 GCCCCGGTTGGTTCCTCTGTCACAGCGATGGAAGCTGACCAAGCCGTCAGCTCACCAATA 409

QY 463 agagtga 469
Db 410 TGCCTGA 416

RESULT 7
US-08-476-860-9
; Sequence 9, Application US/08476860
; Patent No. 5739282
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Mari
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: IL-1 ANTAGONIST
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,860
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: COLOTTA-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
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; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-476-860-9

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Best Local Similarity 61.5%; Pred. No. 7e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 223 ttctcgtggatccaggagggagccgctccctgcatgtgtgagacagaggggc 282
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DB 179 TGTCTTGGGAATCCATGGAGGAAGATGTCCTGTCTGTCAAGTCTGTGATGAGA 238

QY 283 ctccctacagctgagatgtgaacattgaggaactgtacaagggtgtgagaggcca 342
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QY 343 cacgcttcaccttctccagagcagctcaggtccgccttcaggcttgaggtgtgcct 402
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DB 299 AGCGCTTCGCCTTCATCCGCTCAGACAGTGGCCGCCACCACCATGTTTGTGATGAGA 358

QY 403 ggcctggtgttctctgtgtggtccggcagagcccccagcagctacagctcaccaagg 462
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 359 GCCCGGTTGTTCTCTGTCACAGCGATGGAAGCTGACCGCCGCTCAGCCCTCACCACATA 418

QY 463 agagtga 469
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DB 419 TGCCTGA 425

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RESULT 8
US-08-910-733-9
; Sequence 9, Application US/08910733
; Patent No. 5837495
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THERETO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,733
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,860
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.

```

```

; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: COLOTTA-1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-910-733-9

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Query Match          9.5%; Score 95; DB 2; Length 474;
Best Local Similarity 61.5%; Pred. No. 7e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 223 ttctcgtggatccaggagggagccgctccctgcatgtgtgagacagaggggc 282
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
DB 179 TGTCTTGGGAATCCATGGAGGAAGATGTCCTGTCTGTCAAGTCTGTGATGAGA 238

QY 283 ctccctacagctgagatgtgaacattgaggaactgtacaagggtgtgagaggcca 342
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DB 239 CCAGACTCCAGCTGGAGGCGAGTTAATCACTGACTGAGCGAGACAGAAAGCAGGACA 298

QY 343 cacgcttcaccttctccagagcagctcaggtccgccttcaggcttgaggtgtgcct 402
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DB 299 AGCGCTTCGCCTTCATCCGCTCAGACAGTGGCCGCCACCACCATGTTTGTGATGAGA 358

QY 403 ggcctggtgttctctgtgtggtccggcagagcccccagcagctacagctcaccaagg 462
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    |||||
DB 419 TGCCTGA 425

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RESULT 9
US-08-910-884-9
; Sequence 9, Application US/08910884
; Patent No. 5981713
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THERETO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,884
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/476,860
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 94 A 002097
FILING DATE: 13-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: YUN, Allen C.
REGISTRATION NUMBER: 37,971
REFERENCE/DOCKET NUMBER: COLOTTA-1B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
FEATURE:
OTHER INFORMATION: Common IL-lra sequ
OTHER INFORMATION: was added in the f
OTHER INFORMATION: reason, in order
OTHER INFORMATION: and further in the
OTHER INFORMATION: codon in the inner
FEATURE:
NAME/KEY: CDS
LOCATION: 1..468
US-08-910-884-9

```

Query Match	9.5%;	Score 95;	DB 2;	Length 474;	
Best Local Similarity	61.5%;	Pred. No. 7e-20;			
Matches 152;	Conservative	0;	Mismatches 95;	Indels 0;	Gaps 0;
223	ttttctcgggggtccaggaggaggagccgcctgcctgcatgtgtgagacagaagaggggc	282			
179	TGTTCTTGGGAATCCATGTGAGGGAAGATCTGCCTCTCTCTCAAGTCTGGTGATGAGA	238			
283	cttcctctacagctggagagatgtgaacattgaggaactgtacaaagggtgtgaagagcca	342			
239	CCAGACTCCAGCTGGAGGCAGTTAATCATCTGACCTGAGCGAACAAGAACGAGGACA	298			
343	cacgcttcacctctcttcagagcagctcaggtctcgctcttcaggctgtgagctgctgcct	402			
299	AGGGCTTCCGCTTCATCCGCTCAGACAGTGGCCCCACCAACAGTTTTCAGTCTGCCGCT	358			
403	ggcctggctggttctctgtgtgcccggcagagccccagcagccagtcagctcaccacagg	462			
359	GCCCGGTTGGTTCTCTCTGCACAGCATGAAGAGCTGACCAGCCCGCTCAGCCTACCAATA	418			
463	agagtga	469			
419	TGCTGA	425			

```

RESULT 10
US-08-284784-41
; Sequence 41, Application US/08284784
; Patent No. 5629172
; GENERAL INFORMATION:
; APPLICANT: MASCARENHAS, DESMOND
; APPLICANT: ZHANG, YANG
; APPLICANT: OLSON, PAMELA S.
; APPLICANT: OLSEN, DAVID R.
; APPLICANT: CARRILLO, PEDRO A.
; TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES

```

TITLE OF INVENTION: TRANSPORTED OUT OF THE CYTOPLASM WITHOUT LEADER SEQUENCES
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 Page Mill Road
 CITY: Palo Alto
 STATE: California
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/284,784
 FILING DATE: 02-AUG-1994
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: PARK, FREDDIE K.
 REGISTRATION NUMBER: 35,636
 REFERENCE/DOCKET NUMBER: 22095-20275.20
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 813-5600
 TELEFAX: (415) 494-0792
 TELEX: 706141
 INFORMATION FOR SEQ ID NO: 41:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 514 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-284-784-41

Query Match 9.5%; Score 95; DB 1; Length 514;
Best Local Similarity 56.9%; Pred. NO. 7.3e-20;
Matches 195; Conservative 0; Mismatches 145; Indels

[illegible]

```

RESULT 11
US-08-854-811-41
: Sequence 41, Application US/08854811
: Patent No. 5914254
:
: GENERAL INFORMATION:
: APPLICANT: Mascarenhas, Desmond
: APPLICANT: Zhang, Yang.
: APPLICANT: Olson, Pamela S.
: APPLICANT: Olson, David R.
:

```

APPLICANT: Cohen, Pedro A.
 TITLE OF INVENTION: EXPRESSION OF FUSION POLYPEPTIDES
 TITLE OF INVENTION: TRANSPORT OUT OF THE CYTOPLASM WITHOUT LEADER
 TITLE OF INVENTION: SEQUENCES
 NUMBER OF SEQUENCES: 49
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 PAGE MILL ROAD
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: Windows
 SOFTWARE: FastSeq for Windows Version 2.0b
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/854,811
 FILING DATE: 12-MAY-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/284,784
 FILING DATE: 02-AUG-1994
 APPLICATION NUMBER: 08/100,744
 FILING DATE: 02-AUG-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Buffinger, Nicholas S
 REGISTRATION NUMBER: 39,124
 REFERENCE/DOCKET NUMBER: 22095-20275.21
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-813-5600
 TELEFAX: 650-494-0792
 TELEX: 706141
 INFORMATION FOR SEQ ID NO: 41:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 514 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-854-811-41

```
Query Match          9.5%; Score 95; DB 2; Length 514;
Best Local Similarity 56.9%; Pred. No. 7.3e-20;
Matches 195; Conservative 0; Mismatches 145; Indels 3; Gaps 1;
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QY	223	ttttctggggtaccagggaggcgccgcctgctggcatgtgtgaacacaaagagggc	282
Db	170	TGTTCTTGGGAATCCATGGAGGGAAGATGTGCCTGTCTGTCGAAGTCTGGTGATGAGA	229
QY	283	cttcctcacagctggagatgtgaacattgaggaaactgtacaagaagtgtgaagagcca	342
Db	230	CCAGACTCCAAGCTGGAGGCCAATTAACTACACTGACCCTGAGCGAACAGCAAGCAGACA	289
QY	343	cagcctcaacctcttcagagcagctcagcgtccgcctcagcgttgagctgtgcct	402
Db	290	AGCGCTTCGGCTTCATCCGCTCACACAGTAGCCCCACACCCAGTTTTGAGTCTGCCGCT	349
QY	403	ggcctggctggttctctgtgtggcccgcgcagccccagccagccagtacagctcaccagg	462
Db	350	GCCC CGGT TGGTCTCTGCACAGCATGGAAGCTGACCCAGCCGCTCAGCCTCACCATA	409
QY	463	agagtggagcccteagcc---cgtaccaagttttactttgaacagagctggttagggagaca	519
Db	410	TGCTCTACGAGAGGGCGTCATGGTCCACCAAATCTACTTCCAGGAGCAGTAAGTACTTG	469
QY	520	ggaacctgcgttttatagcttgtgcccccaaaccaagctaatcc	562
Db	470	CTAAATGTACCTTAGGCCCTCCCGGGCTCGAGTAAGCTTATGC	512

RESULT 12

RESULT 12

US-08-809-185-1
: Sequence 1, Application US/0809185
: Patent No. 5922573
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: IL-1 receptor antagonists with increased
: TITLE OF INVENTION: inhibitory activity
: NUMBER OF SEQUENCES: 8
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/809,185
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: IT MI 94/A 001916
: FILING DATE: 21-SEP-1994
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 531 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: both
: TOPOLOGY: both
: MOLECULE TYPE: cdna
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 1..531
: FEATURE:
: NAME/KEY: sig_peptide
: LOCATION: 1..75
: FEATURE:
: NAME/KEY: mat_peptide
: LOCATION: 76..531
: FEATURE:
: NAME/KEY: mutation
: LOCATION: replace(346..348, "cgc")
: OTHER INFORMATION: /note="CGC is the codon for the preferred
: OTHER INFORMATION: Asn -> Arg amino acid substitution at this
: OTHER INFORMATION: position."
: FEATURE:
: NAME/KEY: mutation
: LOCATION: replace(400..402, "gcc")
: OTHER INFORMATION: /note="GCC is the codon for the preferred
: OTHER INFORMATION: Thr -> Ala amino acid substitution at this
: OTHER INFORMATION: position."
: US-08-809-185-1

[illegible]

ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,655
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/100,646
FILING DATE: 30-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UM 9693
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1...534
US-08-422-655-1

Query Match 9.5%; Score 95; DB 1; Length 543;
Best Local Similarity 61.5%; Pred. No. 7.6e-20;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

Qy	223	tttctctggggatccaggaggagccgctgcctggtgagacagaaggggc	282
Db	242	TGTTCTTGGGAATCCATGGAGGAAGATGTGCTGTCTGTCAGTCTGGTGATGAGA	301
Qy	283	cttcctctacagctggaggtgtaacattgaggaactgtacaaaggtgtaagaggcca	342
Db	302	CCAGACTCCAGCTGGAGGACGTTAAACATCACTGAGCGGAGAACAGAAAGCAGGACA	361
Qy	343	cacgcttcaccttcttcagagcagctcaggtccgcttcaggttaaggtgctgcct	402
Db	362	AGCGTTCCGCTTCATCCGCTCAGACAGTGGCCCCCACCACAGTTTGTAGTCTGCCGCT	421
Qy	403	ggcctggctgttcctgtgtgcccggcagagcccccagccagtcacagtcaccaagg	462
Db	422	GCCCGGTTGCTTCTCTGCACAGCGATGGAGCTGACCAGCCCGCTCACCAATA	481
Qy	463	agagtga	469
Db	482	TGCCTGA	488

Search completed: December 6, 2001, 08:37:45
Job time: 97 sec

Db 76 PTLTLPVNMELYLGAKESEFTFYRRDMGLTSSFESAAYPGWFLCTVPEADQPVRLTQ 135
QY 137 ESE-----PSARTKFFFEQ 150
Db 136 LPENGWGNAPITDFYFQQ 153

RESULT 2

US-09-000-630C-23
; Sequence 23, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/862,730
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence

US-09-000-630C-23

Query Match 31.8%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 1.1e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;

QY 16 DQKALYTRDGLLVGDPVADNC-CAEKICTLPNRGLDRTKVPFLFGIQQGSRCLACVETE 74
Db 45 NQKTFYLRNNQLIAGYLOGPNTKLEEKIDMVP---IDFRNV--FLGIHGGKLCSCVKSG 99
QY 75 EGPSLOEDVNIIELYKGGEATRTFFQSSSGSAFRLAAAPGWFLCGPAEPQPVQL 134
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFFIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 135 TK-ESEPSARTKFFFEQ 150
Db 160 TNPKEPCTVTKFFQE 176

RESULT 3

US-08-862-730C-23
; Sequence 23, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence
; US-08-862-730C-23

Query Match 31.8%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 1.1e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;

QY 16 DQKALYTRDGLLVGDPVADNC-CAEKICTLPNRGLDRTKVPFLFGIQQGSRCLACVETE 74
Db 45 NQKTFYLRNNQLIAGYLOGPNTKLEEKIDMVP---IDFRNV--FLGIHGGKLCSCVKSG 99
QY 75 EGPSLOEDVNIIELYKGGEATRTFFQSSSGSAFRLAAAPGWFLCGPAEPQPVQL 134
Db 100 DDTKLQLEEVNITDLNKNKEEDKRTFFIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 135 TK-ESEPSARTKFFFEQ 150
Db 160 TNPKEPCTVTKFFQE 176

RESULT 4

US-09-417-455-10
; Sequence 10, Application US/09417455
; Patent No. 6294655

; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30

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Query Match      31.5%; Score 257.5; DB 4; Length 178;
Best Local Similarity 44.5%; Pred. No. 2.5e-23;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps

QY 16 DOKALYTRDGLVGVDPVADNC-CAEKICVLPNRGLDRTKVPFLIGQGSRCILACVETE 74
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 45 NOTFFYLRNNLLIAGVLYQGNIKLEIKDVP---IDLHSV--FLGHGKGLCLSCAKSG 99

```

```

RESULT 7
US-08-562-730C-21
; Sequence 21, Application US/08852730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding
; TITLE OF INVENTION: Antagonist

```

```
; LENGTH: 151 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: mature peptide
US-09-000-630C-3

Query Match          30.3%; Score 248; DB 3; Length 151;
Best Local Similarity 39.7%; Pred. No. 2.8e-22;
Matches 60; Conservative 20; Mismatches 61; Indels 10; Gaps

QY      2 CSILPMARYIIKADOKALYTRDGLQLVGDPVADNC-CAEKICTLPNRGLDRTKVPFIGLG 60
       | : : : : ||| : ||| : | ||| : | ||| : | ||| : |||
Db      8 CRMQAFRIWD---NQKTFILRNQLVAGYLQGSNTKLEEKLDVPE-----PHAVFLG 59

QY     61 IQGSRCLACVETEGPSLQLEDVNIEELYKGEEATRTFFFOSSSGSAFRLEAAAWPGW 120
       | ||| |||| : ||| ||| : | : ||| ||| ||| ||| |||
Db     60 IHGKGLCLACVKSGDETRLGLEAVNITDLSKNKDKQKRFTFILDSGGPTTFSESAACPWG 119

QY    121 FLCGPAPQPQPVOLTKESEPSAR-TKFYFEQ 150
       ||| | : ||| ||| | : |||| : |||| : |||
Db   120 FLCTALEADRPVSLTNRPEEAMVMVTKEYFOK 150
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```

RESULT      9
US-08-862-730C-3
; Sequence 3, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736

```

```

; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 151 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: mature peptide
; US-08-862-730C-3

Query Match          30.3%; Score 248; DB 3; Length 151;
Best Local Similarity 39.7%; Pred. No. 2,8e-22;
Matches 60; Conservative 20; Mismatches 61; Indels 10; Gaps

Qy  2  CSLPMARYIIKYADOKALYTRDQGLLVGDPVADNC-CAEKICTLPNRGLDRTKVPFIIG 60
      | : : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |
Db  8  CRWQAFRIWD---NORTFYLRNNQLVAGYLGQSNYKLEKLDVVPE-----PHAVFIIG 59
      | : : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |
Qy  61  IQGSRCLACVETEGPSLQEDVNIEELYKGGEERTRTFFOSSGSAFRLEAAAWPGW 120
      | : : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |
Db  60  IHGKGLCLACVSGDETRQLQLEAVNITDLSKNKDQKRFTFILDSDGPTTSPESAACPW 119
      | : : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |
Qy  121  FLCGPAPQOPVOLTKSEPSAR-TKXFPEQ 150
      | : : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |
Db  120  FLCTALEADRPVSLTNRPFAAMVTKFYOK 150
      | : : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |

```

Query Match	30.3%;	Score 248;	DB 3;	Length 151;
Best Local Similarity	39.7%;	Pred. No. 2.8e-22;		
Matches	60;	Conservative 20;	Mismatches 61;	Indels 10; Gaps
QY	2	CSLPMARYIIKADQKALYTRGOLLVGDPVADNC-CAEKICTLBNRGLDRTKVPFI	LG	60
Db		: : : : : : : : :		: :
	8	CRMOAFRIWDV---NKTFLRNQLVAGYLOGSNTKLEELDVPE----	PHAVF	59
QY	61	IQQSRCLACVETEGPSLOEDVNTEELYKGGEATRTFFOSSSGAFRLAEEAAWPGC	120	
Db	60	IHGKKLCLACVKSGDETRLQLEAVNITDLSKNKDQDKRFTTILDSGPITSFESAACPW	119	
QY	121	FLCGPAEPQOPVOLTKSEPSAR-TKFYFEQ	150	
Db	120	FLCTALEADRPVSITNRPEAMMVTKYFOK	150	

; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rabbit IL-lra sequence
; US-08-862-730C-22

Query Match 29.5%; Score 241; DB 3; Length 177;
Best Local Similarity 39.2%; Pred. No. 2.5e-21;
Matches 60; Conservative 22; Mismatches 57; Indels 14; Gaps 5;

Qy 2 CSLPMARYIIKAYDQKALYTRDQGLLVGDPVADNC-CAEKICTLPNRLDRTKVP--IF 58
Db 33 CRMQAFRIWDV--NQKTFYLRNNQLVAGYLOGPNAKLEERIDVVPLE-----PQLLF 82

Qy 59 LGIQGGSRCLACVETEFGPSQLEDVNIEELYKGEEATRTFFQSSGSAFRLAAAWP 118
Db 83 LGIQRGKLCSCVKSGDKMKLHLEAVNITDLGKNKEQDKRFTFIRNSGPTTTTFESASCP 142

Qy 119 GWFLGPAEPQOPVOLTKESEPS-ARTKFFEQ 150
Db 143 GWFLCTALEADQPVSLTNTPTDDSIWTKFFQE 175

Search completed: December 6, 2001, 08:46:45
Job time: 282 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 6, 2001, 08:37:45 ; Search time 76.13 seconds
(without alignments)
4063.693 Million cell updates/sec

Title: US-09-578-458-12

Perfect score: 1366

Sequence: 1 ggcagtgaggactgggttga.....gtattattgaaacctctgg 1366

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents, NA.*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	109.2	8.0	2648	4	US-09-417-455-6
3	103.4	7.6	1710	3	US-09-000-630C-1
4	103.4	7.6	1710	3	US-08-862-730C-1
5	95	7.0	462	4	US-08-798-414-1
6	95	7.0	462	4	US-09-131-247-1
7	95	7.0	474	1	US-08-476-860-9
8	95	7.0	474	2	US-08-910-733-9
9	95	7.0	474	2	US-08-910-884-9
10	95	7.0	514	1	US-08-284-784-41
11	95	7.0	514	2	US-08-854-811-41
12	95	7.0	531	2	US-08-809-185-1
13	95	7.0	534	3	US-09-000-630C-24
14	95	7.0	534	3	US-08-862-730C-24
15	95	7.0	543	1	US-08-422-655-1
16	95	7.0	579	2	US-08-476-860-12
17	95	7.0	579	2	US-08-910-733-12
18	95	7.0	579	2	US-08-910-884-12
19	95	7.0	602	1	US-08-459-811-1
20	95	7.0	602	1	US-08-459-092-1
21	95	7.0	602	2	US-08-459-814-1
22	95	7.0	602	2	US-08-425-232-1
23	95	7.0	602	2	US-08-471-227-2
24	95	7.0	603	1	US-08-484-598-1
25	95	7.0	603	2	US-08-479-140-1
26	95	7.0	603	3	US-08-477-143-1
27	95	7.0	717	1	US-08-284-784-40

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28 95 7.0 717 2 US-08-854-811-40 Sequence 40, Appl
29 94 6.9 537 3 US-09-000-630C-27 Sequence 27, Appl
30 94 6.9 537 3 US-08-862-730C-27 Sequence 27, Appl
31 92.4 6.8 537 3 US-09-000-630C-25 Sequence 25, Appl
32 92.4 6.8 537 3 US-08-862-730C-25 Sequence 25, Appl
C 33 90.6 6.6 246240 2 US-08-724-394A-20 Sequence 20, Appl
C 34 90.6 6.6 246240 2 US-08-724-394A-21 Sequence 21, Appl
C 35 90.6 6.6 246240 2 US-08-724-394A-22 Sequence 22, Appl
C 36 89.8 6.6 176373 3 US-09-128-155-17 Sequence 17, Appl
37 88.4 6.5 534 3 US-09-000-630C-26 Sequence 26, Appl
38 88.4 6.5 534 3 US-08-862-730C-26 Sequence 26, Appl
39 84.6 6.2 475 4 US-09-131-247-3 Sequence 3, Appl
40 84.6 6.2 1167 4 US-09-131-247-15 Sequence 15, Appl
41 84.6 6.2 1170 4 US-09-131-247-13 Sequence 13, Appl
42 71.2 5.2 357 4 US-09-417-455-1 Sequence 1, Appl
43 71.2 5.2 985 4 US-09-417-455-2 Sequence 2, Appl
44 68 5.0 5751 4 US-09-417-455-7 Sequence 7, Appl
45 68 5.0 7605 4 US-09-417-455-8 Sequence 8, Appl

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ALIGNMENTS

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RESULT 1
US-09-417-455-4
; Sequence 4, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (73)...(537)
US-09-417-455-4

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Query Match 8.0%; Score 109.2; DB 4; Length 1282;
Best Local Similarity 58.4%; Pred. No. 1.1e-23;
Matches 230; Conservative 0; Mismatches 158; Indels 6; Gaps 2;
QY 439 ggcagatactacataataatgcagaccaggaagctctatcacagagagcgcca 498
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 87 ggcgctgtgtccgaatgaaggactcgcatcgaggtgtttatctgcataaacc 146

```


NAME: ZINDRICK, Thomas D.
REGISTRATION NUMBER: 32,185
REFERENCE/DOCKET NUMBER: A-365C
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 462 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..462
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..3
OTHER INFORMATION: /note= "Initial methionine is
OTHER INFORMATION: optional."
US-08-798-414-1

Query Match 7.0%; Score 95; DB 3; Length 462;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 tttctctggggtccagggagggcgctgcctggcattgtggaagagaggggc 650
DB 170 TGTTCITGGGAATCCATGGAGGAGATGTCCTGTCTGTCAAGTCGTGATGAGA 229
QY 651 ctccctacagctgggagatgtgaacattgaggaactgtacaaagggtggaagagggcca 710
DB 230 CCAGACTCCAGCTGGAGGCGATTAACATCTACCTGACCTGAGCGAGAGAAAGCAGGACA 289
QY 711 cagcttcacctctccagagcagctcagctcgccttcagccttgaggctgcct 770
DB 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCGCCACCCAGTTTGGAGTCTCCCGCCT 349
QY 771 ggcctggctgtctctgtgtggccgagagcccccagcagccagtcacagctcaccaagg 830
DB 350 GCCCGGTTGGTTCCTCTGTCACAGCGATGGAAGCTGACCGCCGTGAGCTCACCATA 409
QY 831 agagtga 837
DB 410 TGCCTGA 416

RESULT 6
US-09-131-247-1
Sequence 1, Application US/09131247
Patent No. 6294170
GENERAL INFORMATION:
APPLICANT: Boone, Thomas C.
APPLICANT: Hershenson, Susan
APPLICANT: Bevilacqua, Michael P.
APPLICANT: Collins, David S.
TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY
FILE OF INVENTION: DISEASES
FILE REFERENCE: A-365F
CURRENT APPLICATION NUMBER: US/09/131,247
CURRENT FILING DATE: 1998-08-07
EARLIER APPLICATION NUMBER: 60/055,185
EARLIER FILING DATE: 1997-08-08
EARLIER APPLICATION NUMBER: PCT/US 97/02131
EARLIER FILING DATE: 1997-02-10
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 462
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(462)

OTHER INFORMATION: Initial methionine is optional
US-09-131-247-1

Query Match 7.0%; Score 95; DB 4; Length 462;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 tttctctggggtccagggagggcgctgcctggcattgtggaagagaggggc 650
DB 170 TGTTCITGGGAATCCATGGAGGAGATGTCCTGTCTGTCAAGTCGTGATGAGA 229
QY 651 ctccctacagctgggagatgtgaacattgaggaactgtacaaagggtggaagagggcca 710
DB 230 CCAGACTCCAGCTGGAGGCGATTAACATCTACCTGACCTGAGCGAGAGAAAGCAGGACA 289
QY 711 cagcttcacctctccagagcagctcagctcgccttcagccttgaggctgcct 770
DB 290 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCGCCACCCAGTTTGGAGTCTCCCGCCT 349
QY 771 ggcctggctgtctctgtgtggccgagagcccccagcagccagtcacagctcaccaagg 830
DB 350 GCCCGGTTGGTTCCTCTGTCACAGCGATGGAAGCTGACCGCCGTGAGCTCACCATA 409
QY 831 agagtga 837
DB 410 TGCCTGA 416

RESULT 7
US-08-476-860-9
Sequence 9, Application US/08476860
Patent No. 5739282
GENERAL INFORMATION:
APPLICANT: COLOTTA, Francesco
APPLICANT: MUZIO, Maria
APPLICANT: MANTOVANI, Alberto
TITLE OF INVENTION: IL-1 ANTAGONIST
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,860
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 94 A 002097
FILING DATE: 13-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: COLOTTA=1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA

;
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-476-860-9

Query Match 7.0%; Score 95; DB 1; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 ttttctgggtccaggagggagcgctgctggcagtggtggagacagagaggggc 650
DB 179 TGTCTTGGGAATCCATGGAGGAGATGCTGCTGTCTGTCAAGTCTGGTGATGAGA 238
QY 651 cttccctacagctggaggtgtgaacattgaggaactgtacaaagtgtgtaagagggcca 710
DB 239 CCAGACTCCAGCTGGAGGAGTAACTACATCACTGACCTGAGCGAGAACAGACGAGACA 298
QY 711 cagcttcaaccttctccagagcagctcaggtccgcttcaggcttgaggctgctgcct 770
DB 299 AGCGTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTGAGTCTGCCGCT 358
QY 771 ggcctggctggttctgtgtgcccggcagagcccccagcagcagctacagctcaccagg 830
DB 359 GCCCGGTTGGTTCCTCTGCACAGGATGGAAGTGAACGAGCTGACCCCGCTCAGCCTCACCAATA 418
QY 831 agagtga 837
DB 419 TGCCTGA 425

RESULT 8
US-08-910-733-9
; Sequence 9, Application US/08910733
; Patent No. 5837495
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THERETO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,733
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,860
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.

;
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: COLOTTA-1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-910-733-9

Query Match 7.0%; Score 95; DB 2; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 591 ttttctgggtccaggagggagcgctgctggcagtggtggagacagagaggggc 650
DB 179 TGTCTTGGGAATCCATGGAGGAGATGCTGCTGTCTGTCAAGTCTGGTGATGAGA 238
QY 651 cttccctacagctggaggtgtgaacattgaggaactgtacaaagtgtgtaagagggcca 710
DB 239 CCAGACTCCAGCTGGAGGAGTAACTACATCACTGACCTGAGCGAGAACAGACGAGACA 298
QY 711 cagcttcaaccttctccagagcagctcaggtccgcttcaggcttgaggctgctgcct 770
DB 299 AGCGTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTGAGTCTGCCGCT 358
QY 771 ggcctggctggttctgtgtgcccggcagagcccccagcagcagctacagctcaccagg 830
DB 359 GCCCGGTTGGTTCCTCTGCACAGGATGGAAGTGAACGAGCTGACCCCGCTCAGCCTCACCAATA 418
QY 831 agagtga 837
DB 419 TGCCTGA 425

RESULT 9
US-08-910-884-9
; Sequence 9, Application US/08910884
; Patent No. 5981713
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THERETO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

Query Match	7.0%; Score 95; DB 2; Length 514;
Best Local Similarity	56.9%; Pred. No. 1.5e-19;
Matches 195; Conservative 0;	Mismatches 145; Indels 3; Gaps 1;

QY	591	ttttctggtggatccaggaggagcgctgcgtgcatgtgtggaacagaagggc	650
Db	170	TGTTCTTGGGAATCCATGGAGGGAAGATGTGCCGTCTCCTGTCAAGTCTGGTGATGAGA	229
QY	651	cttcccacagctggagatgtgaaccttaaggaactgtacaaggggtgaacagcca	710
Db	230	CCAGACTCCAAGCTGGAGCGAGTTAACTACATGACCTGAGCGAGAACAGAAGCAGGACA	289
QY	711	cagcttcacactttccagagcagctcaggtccgcctcagcttgaggtcgtgcct	770
Db	290	AGCGTTTCGCCTTCATCGGCTCACAGAGTGGCCCCACCACCATGTTTGAGTCTGCCGCT	349
QY	771	ggcctggctggttctgtgtgccgcgcagagccccagcacagtacagctaccacagg	830
Db	350	GCCCCGGTTGGTCTCTGCACAGCGATGGAAGTGCACAGCCCCGTACGCCTACCAAATA	409
QY	831	agagtgaagccctcaacc---cgtaccaagttttactttgaacagagctggttagggagaca	887
Db	410	TGCCGTACGAAGGCGTCATGGTCCACAAATTCTACTCCAGGAGCACGTAAGTACTTG	469
QY	888	ggaactgcgttttagccttgtgcccccaaaccaagctcatcc	930
Db	470	CTAAAATGTACCCTAGGCCTCCCGGGCTCGAGTAAGCTTATGC	512

RESULT 12

	Query Match	7.08;	Score 95;	DB 2;	Length 531;
	Best Local Similarity	61.5%;	Pred. No. 1.5e-19;		
	Matches 152;	Conservative	0;	Mismatches 95;	Indels 0;
Qy	591	ttttcctggggatccaggaggagccgctgctggcatgtgtggagacagaaagggc	650		
Db	242	TGTTCTTTGGGAATCCATGTGAGGGAAGATGTSCCTGTCTGTGTCAAGTCTGGTGATGAGA	301		
Qy	651	cttcctacagctggagagtgtaacattgaggaaactgtacaaagggtggtaagagcca	710		
Db	302	CCAGACTCCAGCTGGAGGCAGTTAACTACTACTGACCTGAGGAGACAGAAAGCAGGACA	361		
Qy	711	caegcttcacattcttcagagcagctcaggtccgccttcaggtcttgaggtcgtgcct	770		
Db	362	AGCCTCTCGCCTTCATCCGCTTCACACAGTGGCCCCACACCAGCTTTTGAGTCTCGCGCT	421		
Qy	771	ggcttggtggttccctgtgtggcccgccagagcccccagcagcagtcacagtcaccaagg	830		

030

Db 422 GCCCGGTTGGTTCCTCTGCACACGCGATGGGAAGCTGACACGCCCGTCAGCCTCACCAATA 481

Qy 831 agagtga 837

Db 482 TGCGTGA 488

RESULT 13

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US-09-000-630C-24
; Sequence 24, Application US/09000630C
; Patent No. 6018029
;
; GENERAL INFORMATION:
;
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
;
; NUMBER OF SEQUENCES: 27
;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736

```

```

:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch,
: COMPUTER: IBM compatible
: OPERATING SYSTEM: Microsoft Windows
: SOFTWARE: WordPerfect 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/000,630C
: FILING DATE:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/862,730
:

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INFORMATION FOR SEO ID NO: 24:

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;
; SEQUENCE CHARACTERISTICS:
;     LENGTH: 534 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: single
;     TOPOLOGY: linear
;     MOLECULE TYPE: human IL-1ra DNA sequence
; US-09-000-630C-24

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Query Match          7.0%: Score 95; DB 3; Length 534;
Best Local Similarity 61.5%: Pred. No. 1.5e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

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591	Qy	ttttctctggggatccaggaggaggagccgctgctctgca	tgttggagacagaaaggaggc	650
242	Db	tggtcttgggaattccatgaggagggaatgtccctgtcc	tgtgttcaagtctgtgtgtaga	301
651	Qy	cttccctcacgtcggagatgtgaacctgaggaactgt	tacaaagtggtgaaggagcca	710
302	Db	ccagactccagcttgaggagcaggttaacctcactc	ctccttgagcagacagaaacaggagca	361

Qy	711	cagcctcaacctcttcacagagcagctcagagctccgccttcaggctcagggtgtgctgct	770
Db	362	AGCGCTTGGCTTTCATCCGCTCAGACAGTGGCCCCACCACTAGTTTGTAGTCTCGCGCT	421
Qy	771	ggcctggctggttcctctgtgtggccccggcagagccccagcagccagctacagctccaccag	830
Db	422	GCCCGGTTGGTTTCCCTCTGCAGCGCATGGAGAGCTACCCAGCGCTCAGCCCTCACCAATA	481
Qy	831	agagtga	837
Db	482	TGCCTGA	488

RESULT 14

RESOLUTION 14
US-08-862-730C-24
; Sequence 24, Application US/08862730C

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; Patent No. 6063600
;
; GENERAL INFORMATION:
;
; APPLICANT: Fuller, Gerald M
;
; APPLICANT: Fuentes, Nelson L.
;
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
;
; TITLE OF INVENTION: Antagonist
;
; NUMBER OF SEQUENCES: 27
;
; CORRESPONDENCE ADDRESS:
;
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
;
; STREET: 2001 Park Place, Suite 1400
;
; CITY: Birmingham
;
; STATE: Alabama
;
; COUNTRY: USA
;
; ZIP: 35203-2736
;
; COMPUTER READABLE FORM:
;
; MEDIUM TYPE: Diskette, 3.50 inch,
;
; COMPUTER: IBM compatible
;
; OPERATING SYSTEM: Microsoft Windows
;
; SOFTWARE: Wordperfect 6.0
;
; CURRENT APPLICATION DATA:
;
; APPLICATION NUMBER: US/08/862,730C
;
; FILING DATE: 5/23/97
;
; INFORMATION FOR SEQ ID NO: 24:
;
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 534 base pairs
;
; TYPE: nucleic acid
;
; STRANDEDNESS: single
;
; TOPOLOGY: linear
;
; MOLECULE TYPE: human IL-1ra DNA sequence
;
; US-08-862-730C-24

```

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Query Match          7.0%; Score 95; DB 3; Length 534;
Best Local Similarity 61.5%; Pred. No. 1.5e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

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Qy	591	ttttctgggagatccaggagagagcgctgcctggcatgtgtggagacagaaagagggc	650
Db	242	TGTTCTTGGGAATCCATGGAGGGAAGATGTGCCTGTCTCAAGTCTGTTGATGAGA	301
Qy	651	cttccctcacagctggaggatgtgaacattgaggaaactgtacaaaagtgtgtgaagagcca	710
Db	302	CCAGACTCCAGCTGGAGGCAGTTAAACATCACTGCACCTGACCGAGACAGAAACGACGACA	361
Qy	711	cagcgttcaccttcttcagagagcagctcaggctccgccttcaggctcagggctgtgcct	770
Db	362	AGCGCTTCGCGTTTCATCCGCTCAGACAGTGGCCCCACCACTGTTTGTAGTCTGCCGCT	421
Qy	771	ggcctgagctgttccctgtgtgccccgagagccacagcagcagctacagcttcaccaagg	830
Db	422	GCCCGGTTGGTTCCTCTCTGCACAGCGATGGAGCTGACCAAGCCCGTCACCTTACCACATA	481
Qy	831	agagtaga	837
Db	482	TGCTGA	488

RESULT 15
US-08-422-655-1
; Sequence 1, Application US/08422655
; Patent No. 5747072
; GENERAL INFORMATION:
; APPLICANT: Davidson, Beverly L.
; APPLICANT: ROESSLER, Blake J.
; TITLE OF INVENTION: ADENOVIRAL-MEDIATED GENE TRANSFER TO
; TITLE OF INVENTION: SYNOVIAL CELLS IN VIVO
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States of America


```
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,655
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/100,646
; FILING DATE: 30-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-OM 9693
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 543 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..534
; US-08-422-655-1
```

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Query Match 7.0%; Score 95; DB 1; Length 543;
Best Local Similarity 61.5%; Pred. No. 1.6e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttctcgtggggtccaggagagcgctgcctggcatgtgtggagacagaagagggc 650
DB 242 TGTTCCTGGGATCCATGGAGGAGAGATGTGCTGTCTGTGTCAGTCTGGTGATGAGA 301

QY 651 cttccctacagctgaggtgtgaacattgaggaaactgtacaaagtggtgaagagggcca 710
DB 302 CCAGACTCCAGCTGGAGGCGAGTTAACATCCTGACCTGAGCGAGAACAGAAACGAGSACA 361

QY 711 cagcgttcacctttctccagagcagctcaggtccgccttcaggttcaggtcgtgcct 770
DB 362 AGCGCTTCGCCTTCATCCGCTCAGACAGTGGGCCCCACCACCAAGTTTGTGCTGCGCGCT 421

QY 771 ggcctggctggttcctgtgtgcccggcagagcccccagccagcagctacagctcaccagg 830
DB 422 GCCCGGTGGTTCCTCTGCACAGCGATGGAGAGCTGACCAGCCCCGTACGCCCTACCAATA 481

QY 831 agagtga 837
DB 482 TGCCTGA 488
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Search completed: December 6, 2001, 08:37:51
Job time: 103 sec

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	283	25.9	155	4	US-09-417-455-5		Sequence 5, Appli
2	260.5	23.9	178	3	US-09-000-630C-23		Sequence 23, Appl
3	260.5	23.9	178	3	US-08-862-730C-23		Sequence 23, Appl
4	260.5	23.9	178	4	US-09-417-455-10		Sequence 10, Appl
5	257.5	23.6	178	4	US-09-417-455-9		Sequence 9, Appli
6	255.5	23.4	178	3	US-09-000-630C-21		Sequence 21, Appl
7	255.5	23.4	178	3	US-08-862-730C-21		Sequence 21, Appl
8	253.5	23.2	176	3	US-09-000-630C-4		Sequence 4, Appli
9	253.5	23.2	176	3	US-08-862-730C-4		Sequence 4, Appli
10	250	22.9	151	3	US-09-000-630C-3		Sequence 3, Appli
11	250	22.9	151	3	US-08-862-730C-3		Sequence 3, Appli
12	250	22.9	154	3	US-09-000-630C-5		Sequence 5, Appli
13	250	22.9	154	3	US-08-862-730C-5		Sequence 5, Appli
14	241	22.1	177	3	US-09-000-630C-22		Sequence 22, Appl
15	241	22.1	177	3	US-08-862-730C-22		Sequence 22, Appl
16	241	22.1	177	4	US-09-417-455-11		Sequence 11, Appl
17	239.5	21.9	153	3	US-08-677-778B-1		Sequence 1, Appli
18	238.5	21.8	153	3	US-08-798-414-2		Sequence 2, Appli
19	238.5	21.8	153	4	US-09-131-247-2		Sequence 2, Appli
20	238.5	21.8	153	4	US-09-131-247-4		Sequence 4, Appli
21	238.5	21.8	156	1	US-08-476-860-10		Sequence 10, Appl
22	238.5	21.8	156	2	US-08-910-733-10		Sequence 10, Appl
23	238.5	21.8	156	2	US-08-910-884-10		Sequence 10, Appl
24	238.5	21.8	159	1	US-08-459-811-2		Sequence 2, Appli
25	238.5	21.8	159	2	US-08-484-598-2		Sequence 2, Appli
26	238.5	21.8	159	2	US-08-459-092-2		Sequence 2, Appli
27	238.5	21.8	159	2	US-08-459-814-2		Sequence 2, Appli

Db 76 PTLTLPVNMELYLGAKEKSTFTFYRDMGLTSSFESAAYPGWFLCTVVPADQVRLTQ 135
QY 185 ESE----PSARTKFFFEQ 198
Db 136 LPENGWGNAPITDFYFQ 153

RESULT 2

US-09-000-630C-23
; Sequence 23, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/862,730
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence
US-09-000-630C-23

Query Match 23.9%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 4.1e-22;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 64 DQALYTRDGLLVGDPVADNC-CAEIKCTLPNRGLDRTKVPFLGIQGGSRCLACVETE 122
Db 45 NQKTFYLRNQLIAGYLGQPNTKLEEKIDMVP---IDFRNV--FLGIHGKLCSCVKSG 99
QY 123 EGPQLQLEDVNIIELYKGGEATRTFTFSSSGSAFRLEAAWPGWFLCGPAEPQPPVOL 182
Db 100 DDTKQLQLEEVNITDLNKNKEEDKRTFTIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 183 TK-ESEPSARTKFFFEQ 198
Db 160 TNPKEPCTVTKFFQE 176

RESULT 3

US-08-862-730C-23
; Sequence 23, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 178 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rat IL-lra sequence
US-08-862-730C-23

Query Match 23.9%; Score 260.5; DB 3; Length 178;
Best Local Similarity 44.5%; Pred. No. 4.1e-22;
Matches 61; Conservative 16; Mismatches 53; Indels 7; Gaps 4;
QY 64 DQALYTRDGLLVGDPVADNC-CAEIKCTLPNRGLDRTKVPFLGIQGGSRCLACVETE 122
Db 45 NQKTFYLRNQLIAGYLGQPNTKLEEKIDMVP---IDFRNV--FLGIHGKLCSCVKSG 99
QY 123 EGPQLQLEDVNIIELYKGGEATRTFTFSSSGSAFRLEAAWPGWFLCGPAEPQPPVOL 182
Db 100 DDTKQLQLEEVNITDLNKNKEEDKRTFTIRSETGPTTSFESLACPGWFLCTTLEADHPVSL 159
QY 183 TK-ESEPSARTKFFFEQ 198
Db 160 TNPKEPCTVTKFFQE 176

RESULT 4

US-09-417-455-10
; Sequence 10, Application US/09417455
; Patent No. 6294655
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Pace, Ann
; TITLE OF INVENTION: A NOVEL INTERLEUKIN-1 RECEPTOR ANTAGONIST AND USES THEREOF
; FILE REFERENCE: 28110/36328
; CURRENT APPLICATION NUMBER: US/09/417,455
; CURRENT FILING DATE: 1999-10-13
; PRIOR APPLICATION NUMBER: US 09/348,942
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: PCT/US99/04291
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/287,210
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: US 09/251,370
; PRIOR FILING DATE: 1999-02-17
; PRIOR APPLICATION NUMBER: US 09/229,591
; PRIOR FILING DATE: 1999-01-13
; PRIOR APPLICATION NUMBER: US 09/127,698
; PRIOR FILING DATE: 1998-07-31
; PRIOR APPLICATION NUMBER: US 09/099,818
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: US 09/082,364
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/079,909
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: US 09/055,010
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 30

	;	TITLE OF INVENTION:	DNA Encoding Canine Interleukin-1 Receptor
	;	TITLE OF INVENTION:	Antagonist

```
; LENGTH: 176 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: IL-1ra full length peptide
US-09-000-630C-4

Query Match      23.2%; Score 253.5; DB 3; Length 176;
Best Local Similarity 39.8%; Pred. No. 2.6e-21;
Matches 66; Conservative 20; Mismatches 69; Indels 11; Gaps 5;

QY   36 LPISDQ-TPLIAGMCSLPMARYIIKYADOKALYTTRGQLLVGDPPVADNC-CAEKICTL 93
    ||||| | : : : : || : | : | : | : | : | : | : | : | : | : | : | :
Db   18 LPHSETACRPLGRKPCRBMQAFRWDV---NOKTFYLNNQLVAGYLOGSNTKLEELDVL 74
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
QY   94 PNRLDRTKVIPFLIGGGSRCLACVETEGSPSLQLEDVNIEELYKGEEATRTFTFQSS 153
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db   75 PVE-----PHAVFELHGGKKLCIAVCSGDETRLQLEAVNITLDLSKNKDQDKRFILSD 129
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
QY   154 SGSAFRLAAAWPGWFLCGPAEPQQPVOLTKESPSAR-TKFYPEQ 198
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db   130 SGPTTSESACPGWFCTALEADRPVSGLNRPEEAMMTKFFYQK 175
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :

RESULT          9
US-08-862-730C-4
; Sequence 4, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; TITLE OF INVENTION: Fuentes, Nelson L.
; DATE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdoch/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; FILING DATE: 5/23/97
; APPLICATION FOR SEQ ID NO: 4:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 176 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: IL-1ra full length peptide
US-08-862-730C-4

Query Match      23.2%; Score 253.5; DB 3; Length 176;
Best Local Similarity 39.8%; Pred. No. 2.6e-21;
Matches 66; Conservative 20; Mismatches 69; Indels 11; Gaps 5;

QY   36 LPISDQ-TPLIAGMCSLPMARYIIKYADOKALYTTRGQLLVGDPPVADNC-CAEKICTL 93
    ||||| | : : : : || : | : | : | : | : | : | : | : | : | : | : | :
Db   18 LPHSETACRPLGRKPCRBMQAFRWDV---NOKTFYLNNQLVAGYLOGSNTKLEELDVL 74
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
QY   94 PNRLDRTKVIPFLIGGGSRCLACVETEGSPSLQLEDVNIEELYKGEEATRTFTFQSS 153
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db   75 PVE-----PHAVFELHGGKKLCIAVCSGDETRLQLEAVNITLDLSKNKDQDKRFILSD 129
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
QY   154 SGSAFRLAAAWPGWFLCGPAEPQQPVOLTKESPSAR-TKFYPEQ 198
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
Db   130 SGPTTSESACPGWFCTALEADRPVSGLNRPEEAMMTKFFYQK 175
    ||||||| | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | :
```

```

: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch,
: BEST LOCAL SIMILARITY 39.5%; Pred. No. 5.2e-21;
: OPERATING SYSTEM: Microsoft Windows
: SOFTWARE: Wordperfect 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/862,730C
: FILING DATE: 5/23/97
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 151 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: mature peptide
: US-08-862-730C-3

Query Match      22.9%; Score 250; DB 3; Length 151;
Best Local Similarity 39.5%; Pred. No. 5.2e-21;
Matches 62; Conservative 20; Mismatches 65; Indels 10; Gaps

QY 44 PLIAGMCSLPMARYIIKIYADQALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTK 162
Db 11 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
2 PLGKRPCKMAQFRWDV--NQKTFYLRNQLVAGYLOGSNTKLEKLDVWPVE-----p 53
QY 103 VPIFLTGIGGSRCLACVETEEGFSLOLEDYNIIEELYKGGEATRTFTFFOSSGSAPRLFA 162
Db 11 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
54 HAVFLGIHGKGLCLACVKSGDETRLQLEAVNITDLSKNKDQDKRFTFILSDSGPTTSFES 113
QY 163 AAWPGWFLCGPAEPQVPQVLTKSEPSAR-TKIFYEQ 198
Db 11 : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
114 AACPGWFLCTALEADRPVSLTNRPEAMMVTKFYFQK 150

RESULT 12
US-09-000-630C-5
: Sequence 5, Application US/09000630C
: Patent No. 6018029
: GENERAL INFORMATION:
: APPLICANT: Fuller, Gerald M
: APPLICANT: Fuentes, Nelson L.
: TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
: TITLE OF INVENTION: Antagonist
: NUMBER OF SEQUENCES: 27
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Douglas C Murdock/Bradley, Arant, Rose & White
: STREET: 2001 Park Place, Suite 1400
: CITY: Birmingham
: STATE: Alabama
: COUNTRY: USA
: ZIP: 35203-2736
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette, 3.50 inch,
: COMPUTER: IBM compatible
: OPERATING SYSTEM: Microsoft Windows
: SOFTWARE: Wordperfect 6.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/000,630C
: FILING DATE:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/862,730
: FILING DATE:
: INFORMATION FOR SEQ ID NO: 5:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 154 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: cleaved IL-1ra peptide from fusion construct
: US-09-000-630C-5

Query Match      22.9%; Score 250; DB 3; Length 154;
Best Local Similarity 39.5%; Pred. No. 5.3e-21;

```

Matches 62; Conservative 20; Mismatches 65; Indels 10; Gaps 4;

QY 44 PLIAGMCSLPARYIIKYADKALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTK 102
|| | : : : : || | : : : : || | : : : : || | : : : :
Db 5 PLKRRPCRMQAFLWDV---NQKTFYLRNQLVAGYLOGSNKLEEKLDVVPVE-----P 56
QY 103 VPFLGTGGSRCLACVETEGPSLQLEDVNIIELYKGGEATRTFTFQSSGSAFLREA 162
:||||| : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| :
Db 57 HAVFLGIHGKGLCLACVKSGDETRQLQEAVNITDLSKNKQDKRFTFLSDSGTTSFES 116
QY 163 AANPGWFLCGPAEPQPVOLTKSEPSAR-TKFFFEQ 198
|| ||||| | :||| | : ||||| : ||||| : ||||| : ||||| : ||||| :
Db 117 AACPGWFLCTALEADRPVSLTNRPPEAMVMTKFFQK 153

RESULT 13
US-08-862-730C-5
; Sequence 5, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fullner, Gerald M.
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 154 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: cleaved IL-1ra peptide from fusion construct
US-08-862-730C-5

Query Match 22.9%; Score 250; DB 3; Length 154;
Best Local Similarity 39.3%; Pred. No. 5.3e-21;
Matches 62; Conservative 20; Mismatches 65; Indels 10; Gaps 4;

QY 44 PLIAGMCSLPARYIIKYADKALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTK 102
|| | : : : : || | : : : : || | : : : : || | : : : :
Db 5 PLKRRPCRMQAFLWDV---NQKTFYLRNQLVAGYLOGSNKLEEKLDVVPVE-----P 56
QY 103 VPFLGTGGSRCLACVETEGPSLQLEDVNIIELYKGGEATRTFTFQSSGSAFLREA 162
:||||| : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| :
Db 57 HAVFLGIHGKGLCLACVKSGDETRQLQEAVNITDLSKNKQDKRFTFLSDSGTTSFES 116
QY 163 AANPGWFLCGPAEPQPVOLTKSEPSAR-TKFFFEQ 198
|| ||||| | :||| | : ||||| : ||||| : ||||| : ||||| : ||||| :
Db 117 AACPGWFLCTALEADRPVSLTNRPPEAMVMTKFFQK 153

RESULT 14
US-09-000-630C-22
; Sequence 22, Application US/09000630C
; Patent No. 6018029
; GENERAL INFORMATION:
; APPLICANT: Fullner, Gerald M.
; APPLICANT: Fuentes, Nelson L.

; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/000,630C
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/862,730
; FILING DATE:
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rabbit IL-1ra sequence
US-09-000-630C-22

Query Match 22.1%; Score 241; DB 3; Length 177;
Best Local Similarity 39.2%; Pred. No. 7e-20;
Matches 60; Conservative 22; Mismatches 57; Indels 14; Gaps 5;

QY 50 CSLPMARYIIKYADOKALYTRDGLLVGDPVADNC-CAEKICTLPNRLDRTKVP--IF 106
| : : : : || | : : : : || | : : : : || | : : : :
Db 33 CRMQAFLWDV---NQKTFYLRNQLVAGYLOGPNNAKLEERIDVVPLE-----PQLLF 82
QY 107 LGIQGSRCLACVETEGPSLQLEDVNIIELYKGGEATRTFTFQSSGSAFLREA 166
:||||| : ||||| : : ||||| : : ||||| : : ||||| : : ||||| : : ||||| :
Db 83 LGIQGKGLCLCVKSGDKMKLHLEAVNITDLGNKQDKRFTFIRNSGPTTTFESASCP 142
QY 167 GWFLCGPAEPQPVOLTKSEPS-ARTKFFFEQ 198
|| ||||| | ||||| : ||||| : ||||| : ||||| : ||||| : ||||| :
Db 143 GWFLCTALEADQPVSNTPTDPSIVVTKFFQE 175

RESULT 15
US-08-862-730C-22
; Sequence 22, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fullner, Gerald M.
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97

; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: rabbit IL-lra sequence
US-08-862-730C-22

Query Match 22.1%; Score 241; DB 3; Length 177;
Best Local Similarity 39.2%; Pred. No. 7e-20;
Matches 60; Conservative 22; Mismatches 57; Indels 14; Gaps 5;
Qy 50 CSLPMARYIIKYADOKALYTRDGLLYGDPVADNC-CAEKICTLPNRLDRTKVP--IF 106
Db 33 CRMQAFRIWDV--NOKTFYLRNNQLVAGYLOGPNAKLEERIDVVPLE-----PQLLF 82
Qy 107 LGIQGSRCLACVETEEGPSLQLEDVNIIEELYKGGEATRTFFOSSSGSAFRLAAAWP 166
Db 83 LGIQGKLCSCVSGDKMKLHLEAVNITDLGKNKEQDKRFTFIRNSGPTTFESASCP 142
Qy 167 GWFLCGPAEPQPVOLTKSEPS-ARTKPYFEQ 198
Db 143 GWFLCALAEADQPVSLTNTPDPSIVVTKFYFOE 175

Search completed: December 6, 2001, 08:46:46
Job time: 283 sec


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; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
US-09-000-630C-1

Query Match          7.6%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 6.8e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 588 ccatttctctggggtccagggaggagccgctgctggtgagacagagaaggg 647
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCTGCTGTGCAAGTCTGGAGATG 357

QY 648 ggccttcctacagctcggaggatgtgaacattgaggaactgtacaaagggtggaagagg 707
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 AGACCAAGGCTCCAGCTGGAGGCGGTTAAACATCAGTACCTGAGTAAGAACAGATCAAG 417

QY 708 ccacagcttcacctctccagagcagctcaggtccgcttcagccttgagctgctg 767
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAGGCGCTTACCTTCATCCTCTCAGACAGTGGCCCCCACCACAGCTTTGAGTCTGCTG 477

QY 768 cctggcctggtggttcctgtgtgcccggcagagcccccagcagccagctcaccca 827
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CTGCCCCCTGGTGGTTCCTCTGCACAGACTGGAGGCGCGACCGGCTGTACGCTCACCA 537

QY 828 a 828
Db 538 A 538

RESULT 4
US-08-862-730C-1
; Sequence 1, Application US/08862730C
; Patent No. 6063600
; GENERAL INFORMATION:
; APPLICANT: Fuller, Gerald M
; APPLICANT: Fuentes, Nelson L.
; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor
; TITLE OF INVENTION: Antagonist
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Douglas C Murock/ Bradley, Arant, Rose & White
; STREET: 2001 Park Place, Suite 1400
; CITY: Birmingham
; STATE: Alabama
; COUNTRY: USA
; ZIP: 35203-2736
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch,
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Microsoft Windows
; SOFTWARE: WordPerfect 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/862,730C
; FILING DATE: 5/23/97
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1710 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: N
; ANTI-SENSE: N
; ORIGINAL SOURCE:
; ORGANISM: Canis familiaris
; CELL TYPE: canine peripheral blood macrophage
; CELL LINE: primary monocytes
; IMMEDIATE SOURCE:
; LIBRARY: lambda gt11 cDNA

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; CLONE: Canine IL-1ra
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1 to 1710
; OTHER INFORMATION:
; FEATURE:
; NAME/KEY: open reading frame
; LOCATION: 60 to 587
; OTHER INFORMATION:
US-08-862-730C-1

Query Match          7.6%; Score 103.4; DB 3; Length 1710;
Best Local Similarity 64.3%; Pred. No. 6.8e-22;
Matches 155; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 588 ccatttctctggggtccagggaggagccgctgctggtgagacagagaaggg 647
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 298 CCGTGTCTTGGGATCCATGGGGGAAGCTGTGCTGCTGTGCAAGTCTGGAGATG 357

QY 648 ggccttcctacagctcggaggatgtgaacattgaggaactgtacaaagggtggaagagg 707
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 358 AGACCAAGGCTCCAGCTGGAGGCGGTTAAACATCAGTACCTGAGTAAGAACAGATCAAG 417

QY 708 ccacagcttcacctctccagagcagctcaggtccgcttcagccttgagctgctg 767
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 418 ACAGGCGCTTACCTTCATCCTCTCAGACAGTGGCCCCCACCACAGCTTTGAGTCTGCTG 477

QY 768 cctggcctggtggttcctgtgtgcccggcagagcccccagcagccagctcaccca 827
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 478 CTGCCCCCTGGTGGTTCCTCTGCACAGACTGGAGGCGCGACCGGCTGTACGCTCACCA 537

QY 828 a 828
Db 538 A 538

RESULT 5
US-08-798-414-1
; Sequence 1, Application US/08798414
; Patent No. 6096728
; GENERAL INFORMATION:
; APPLICANT: COLLINS, David S.
; APPLICANT: BEVILACQUA, Michael P.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING
; TITLE OF INVENTION: INFLAMMATORY DISEASES
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: AMGEN INC.
; STREET: 1840 De Havilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: US
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/798,414
; FILING DATE: 07-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/011,419
; FILING DATE: 09-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/032,789
; FILING DATE: 06-DEC-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US (Atty Dkt# A-365B-P)
; FILING DATE: 23-JAN-1997
; ATTORNEY/AGENT INFORMATION:

```

```
; NAME: ZINDRICK, Thomas D.
; REGISTRATION NUMBER: 32,185
; REFERENCE/DOCKET NUMBER: A-365C
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 462 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..462
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..3
; OTHER INFORMATION: /note= "Initial methionine is
; OTHER INFORMATION: optional."
;
; US-08-798-414-1

Query Match          7.0%; Score 95; DB 3; Length 462;
Best Local Similarity 61.3%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggatccaggaggagccgctgctgcatgtgtggagacagaagagggc 650
DB 170 TGTTCCTGGGAATCCATGGAGGAGATGCTCTGTCTGTCAGTGTGCTGATGAGA 229

QY 651 ctctccctacagctggagatgtgaacattgaggaaactgtacaaagggtggaagggcca 710
DB 230 CCAGACTCCAGCTGGAGGAGTAACTACACTGAGCGAGAACAGAAAGCAGGACA 289

QY 711 cagcttcacattcttcacagagcagctcaggctccgcttcagcttgaggctgctgcct 770
DB 290 AGCGCTTCGCTTCATCCCTCGCTCAGACAGTGGCCGCCACACCCAGTTTGTGAGTCTCCGCGCT 349

QY 771 ggcctggctgtctctgtgtggccgagagcccgagagcccgagcagctacagctcaccagg 830
DB 350 GCCCGGTTGGTTCCTCTGTCACACGAGTGAAGCTGACCGCCGTCAGCTCACCACATA 409

QY 831 agagtga 837
DB 410 TGCCTGA 416

RESULT 6
US-09-131-247-1
; Sequence 1, Application US/09131247
; Patent No. 6294170
; GENERAL INFORMATION:
; APPLICANT: Boone, Thomas C.
; APPLICANT: Hershenson, Susan
; APPLICANT: Bevilacqua, Michael P.
; APPLICANT: Collins, David S.
; TITLE OF INVENTION: COMPOSITION AND METHOD FOR TREATING INFLAMMATORY
; DISEASES
; FILE REFERENCE: A-365F
; CURRENT APPLICATION NUMBER: US/09/131,247
; EARLIER FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 60/055,185
; EARLIER FILING DATE: 1997-08-08
; EARLIER APPLICATION NUMBER: PCT/US 97/02131
; EARLIER FILING DATE: 1997-02-10
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(462)
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; OTHER INFORMATION: Initial methionine is optional
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; US-09-131-247-1

Query Match          7.0%; Score 95; DB 4; Length 462;
Best Local Similarity 61.5%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggatccaggaggagccgctgctgcatgtgtggagacagaagagggc 650
DB 170 TGTTCCTGGGAATCCATGGAGGAGATGCTCTGTCTGTCAGTGTGCTGATGAGA 229

QY 651 ctctccctacagctggagatgtgaacattgaggaaactgtacaaagggtggaagggcca 710
DB 230 CCAGACTCCAGCTGGAGGAGTAACTACACTGAGCGAGAACAGAAAGCAGGACA 289

QY 711 cagcttcacattcttcacagagcagctcaggctccgcttcagcttgaggctgctgcct 770
DB 290 AGCGCTTCGCTTCATCCCTCGCTCAGACAGTGGCCGCCACACCCAGTTTGTGAGTCTCCGCGCT 349

QY 771 ggcctggctgtctctgtgtggccgagagcccgagagcccgagcagctacagctcaccagg 830
DB 350 GCCCGGTTGGTTCCTCTGTCACACGAGTGAAGCTGACCGCCGTCAGCTCACCACATA 409

QY 831 agagtga 837
DB 410 TGCCTGA 416

RESULT 7
US-08-476-860-9
; Sequence 9, Application US/08476860
; Patent No. 5739282
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marita
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: IL-1 ANTAGONIST
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,860
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: COLOTTA-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
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;
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-476-860-9
```

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Query Match 7.0%; Score 95; DB 1; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

Qy 591 ttttctggggtccaggagggagcgctgctgctgcatgtgtggagacagagaggggc 650
Db 179 TGTTCCTGGGAATCCATGGAGGGAAGATGTCCTGTCTGTCAGTCTGGTGATGAGA 238

Qy 651 cttccctacagctgagagatgtgaacattgaggaactgtacaaagtggtgaagagccca 710
Db 239 CCAGACTCCAGCTGGAGGAGTAAACATCAGCTGAGCGGAGAAACAGCAGGACA 298

Qy 711 cagcgttcaccttctccagagcagctcagctccgcttcagcttgaggtgctgct 770
Db 299 AGCGCTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACAGTTTGTGAGTCTGCCGCT 358

Qy 771 ggcctggctgggttcctgtgtgcccggcagagcccccagcagctacagctcaccaagg 830
Db 359 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGTGCACGAGCCCTGCACCCCTACCCAATA 418

Qy 831 agagtga 837
Db 419 TGCCTGA 425
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```
RESULT 8
US-08-910-733-9
; Sequence 9, Application US/08910733
; Patent No. 5837495
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THEREO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/910,733
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,860
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IT MI 94 A 002097
; FILING DATE: 13-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
```

```
;
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: COLOTTA-1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; FEATURE:
; OTHER INFORMATION: Common IL-lra sequence; a nucleotide G
; OTHER INFORMATION: was added in the first position, for computer program
; OTHER INFORMATION: reason, in order to encode the first amino acid Glu
; OTHER INFORMATION: and further in order to avoid the creation of a stop
; OTHER INFORMATION: codon in the inner region of the sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..468
US-08-910-733-9

Query Match 7.0%; Score 95; DB 2; Length 474;
Best Local Similarity 61.5%; Pred. No. 1.3e-19;
Matches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

Qy 591 ttttctggggtccaggagggagcgctgctgctgcatgtgtggagacagagaggggc 650
Db 179 TGTTCCTGGGAATCCATGGAGGGAAGATGTCCTGTCTGTCAGTCTGGTGATGAGA 238

Qy 651 cttccctacagctgagagatgtgaacattgaggaactgtacaaagtggtgaagagccca 710
Db 239 CCAGACTCCAGCTGGAGGAGTAAACATCAGCTGAGCGGAGAAACAGCAGGACA 298

Qy 711 cagcgttcaccttctccagagcagctcagctccgcttcagcgttgaggtgctgct 770
Db 299 AGCGCTTCGCCCTTCATCCGCTCAGACAGTGGGCCCCACCACAGTTTGTGAGTCTGCCGCT 358

Qy 771 ggcctggctgggttcctgtgtgcccggcagagcccccagcagctacagctcaccaagg 830
Db 359 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGTGCACGAGCCCTGCACCCCTACCCAATA 418

Qy 831 agagtga 837
Db 419 TGCCTGA 425
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```
RESULT 9
US-08-910-884-9
; Sequence 9, Application US/08910884
; Patent No. 5981713
; GENERAL INFORMATION:
; APPLICANT: COLOTTA, Francesco
; APPLICANT: MUZIO, Marta
; APPLICANT: MANTOVANI, Alberto
; TITLE OF INVENTION: INTERLEUKIN-1 ANTAGONIST, DNA ENCODING SAME,
; AND ANTIBODIES THEREO
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
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Qy	591	tttctctgggataccaggaggagccgcgtgcctggcatgtgtggagacagaagagggc	650
Db	170	TGTTCTTTGGGAATCCATGGAGGGAAGATGTGCCTTCTGTCAAGTCTGGTGATGAGA	229
Qy	651	cttcctctacagctggaggatgtgaacattgaggaactgtacaaggtggtgaagagacca	710
Db	230	CCAGACTCCAGCTGGAGGCGAGTTAAACATCACTACCTTGAGCGGAGAACAGGACGACA	289
Qy	711	caagcttcaactctcttcacagagcagctcagagctccgccttcagagcttgagagctgtgcct	770
Db	290	AGCGCTTCGGCTTCATCCGCTCAGACAGTGGCGCCACCACACAGTTTGTAGTCTGCCGCT	349
Qy	771	ggctggctggttccctgtgtgccccgcagagcccgagcagcagctacagctcaccaagg	830
Db	350	GCCCCGGTTGGTTCCTCTGCACAGCGATGGAAGCTGACACGCCGCTACCGCTCACCATA	409
Qy	831	agagtgcagccctcagcc---cgtacaagtttactttgaacagagctgtgtagggagaca	887
Db	410	TGCCTGACGAAGGCGTCATGCTCACCAAAATCTACTTCCAGGAGGACGAGTAAGTACTTG	469
Qy	888	ggaactgcgttttagccttgtgtcccccaaccaagctcatcc	930
Db	470	CTAAATATGATACCTGTACGCTTCCGGGGCTCGAGTAAGCTTATGC	512

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RESULT 11
US-08-854-811-41
; Sequence 41, Application US/08854811
; Patent No. 5914254
; GENERAL INFORMATION:
; APPLICANT: Mascarenhas, Desmond
; APPLICANT: Zhang, Yang
; APPLICANT: Olson, Pamela S.
; APPLICANT: Olsen, David R.

```

Query Match	7.0%;	Score	95;	DB	2;	Length	514;
Best Local Similarity	56.9%;	Pred. No.	1.4e-19;				
Matches	195;	Conservative	0;	Mismatches	145;	Indels	3;
Gaps	1;						
QY	591	ttttctggggatccaggaggagcgctgctggcgatgtgtggaacacagaaggggc	650				
Db	170	TGTTCTTGGGAATCCATGGAGGGAAGATGTGCTGTCTGTCAAGTCTGCTGATGAGA	229				
QY	651	cttccctacagctgagatgtgaacattgaggaaactacaaagggtgtaagagcca	710				
Db	230	CCAGACTCCAGCTGGAGGACGTTAACTACATCTGACCTCGAGGAGAACAGAAAGCAGGACA	289				
QY	711	caegcttcaactctttccagagcagctcaggtcgcgcttcaggcttgaggtgctgcct	770				
Db	290	AGCGCTTCGCCTTCATCGGCTCACACAGTSGCCCCACCACCAAGTTTGAGTCTGCCGCT	349				
QY	771	ggcctggctggttctctgtgtgcccgcgcagagccccagcagccagtcacagctaccacaag	830				
Db	350	GCCCCGGTTGTTCTCTGACAGCGATGGAAGCTGACCAGCCCCGTACGCTCCACAATA	409				
QY	831	agagtgaagccctcagcc---cgtaaccaagttttactttgaaacagctggtagggagaca	887				
Db	410	TGCTCTCAGGAAGGCGTTCATGGTCAACAAATCTACTTCCAGGAGCAGTAAGTACTTG	469				
QY	888	ggaacactgcgttttagcctgtgtcccccacaaccagctcatcc	930				
Db	470	CTAAATGTACCCCTAGGCCTCCCCGGGCTCGAGTAAGCTTATGC	512				
RESULT 12							

Query Match	7.0%	Score 95;	DB 2;	Length 531;
Best Local Similarity	61.5%;	Pred. No. 1.4e-19;		
Matches 152;	Conservative 0;	Mismatches 95;	Indels 0;	Gaps 0;
Qy	591	ttttctggggatccaggagggagccgctgcctggcatgtgtggagacagaaaggggc	650	
Db	242	TGTTCTTGGGAATCCATGAGGGAAGATGTGCCTCTCTCTGTCACAGTCTGGTGATGAGA	301	
Qy	651	cttcctctacagctggaggatgtgaacattgaggaaactgtacaaaggtgtgtgaagagcca	710	
Db	302	CCAGACTCCAGCTGGAGCAGTTAACTATCATGTGACCTGAGCGAGAACAGAAAGCAGGACA	361	
Qy	711	cacgcttccacttcttcagagcagctcaggtccgccttcaggctgtgagctgtcgtgcct	770	
Db	362	AGCGCTTCGGCTTCTCCGGCTCAGACAGTGGCCGCCACCCACCAAGTTTTCAGTCTGCCGCT	421	
Qy	771	ggcctggctgttctgtgtggccggcagagagcccccagcagctcagctcaccagg	830	

RESULT 12

Db 422 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGCTGACACAGCCCGTCAGCCTCACCATA 481

QY 831 agagtga 837

Db 482 TGCCTGA 488

RESULT 13

US-09-000-630C-24

; Sequence 24, Application US/09000630C

; Patent No. 6018029

; GENERAL INFORMATION:

; APPLICANT: Fuller, Gerald M

; APPLICANT: Fuentes, Nelson L.

; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor

; TITLE OF INVENTION: Antagonist

; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White

; STREET: 2001 Park Place, Suite 1400

; CITY: Birmingham

; STATE: Alabama

; COUNTRY: USA

; ZIP: 35203-2736

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch,

; COMPUTER: IBM compatible

; OPERATING SYSTEM: Microsoft Windows

; SOFTWARE: WordPerfect 6.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/000,630C

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/862,730

; FILING DATE:

; INFORMATION FOR SEQ ID NO: 24:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 534 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: human IL-1ra DNA sequence

US-09-000-630C-24

Query Match

Best Local Similarity 7.0%; Score 95; DB 3; Length 534;

Mismatches 0; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggtaccagggaggagccgtgcctggcatgtgtggagacagaagagggc 650

Db 242 TGTTCCTGGGAATCCATGAGGGAAGATGTCCTGTCTGTCAAGCTGGTGATGAGA 301

QY 651 ctccctcacagctggaggtgtgaacattgaggaactgtacaaaggtgtgaagagcca 710

Db 302 CCAGACTCCAGCTGGAGGCGATTAACATCACTGACCTGACGGAGAACAGACGAGACA 361

QY 711 cagcttcaactttctccagagcagctcaggtccgccttcaggtcttgaggtgctgct 770

Db 362 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCCCACCACAGTTTGTAGTCTCGCCGCT 421

QY 771 ggcctggctgttctctgtgtgccccgagagccccagcagccagtcacagtcaccaagg 830

Db 422 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGCTGACCGCCGTCAGCCTCACCATA 481

QY 831 agagtga 837

Db 482 TGCCTGA 488

RESULT 14

US-08-862-730C-24

; Sequence 24, Application US/08862730C

; Patent No. 6063600

; GENERAL INFORMATION:

; APPLICANT: Fuller, Gerald M

; APPLICANT: Fuentes, Nelson L.

; TITLE OF INVENTION: DNA Encoding Canine Interleukin-1 Receptor

; TITLE OF INVENTION: Antagonist

; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Douglas C Murdock/ Bradley, Arant, Rose & White

; STREET: 2001 Park Place, Suite 1400

; CITY: Birmingham

; STATE: Alabama

; COUNTRY: USA

; ZIP: 35203-2736

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch,

; COMPUTER: IBM compatible

; OPERATING SYSTEM: Microsoft Windows

; SOFTWARE: WordPerfect 6.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/862,730C

; FILING DATE: 5/23/97

; INFORMATION FOR SEQ ID NO: 24:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 534 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: human IL-1ra DNA sequence

US-08-862-730C-24

Query Match

Best Local Similarity 7.0%; Score 95; DB 3; Length 534;

Mismatches 152; Conservative 0; Mismatches 95; Indels 0; Gaps 0;

QY 591 ttttctggggtaccagggaggagccgtgcctggcatgtgtggagacagaagagggc 650

Db 242 TGTTCCTGGGAATCCATGAGGGAAGATGTCCTGTCTGTCAAGCTGGTGATGAGA 301

QY 651 ctccctcacagctggaggtgtgaacattgaggaactgtacaaaggtgtgaagagcca 710

Db 302 CCAGACTCCAGCTGGAGGCGATTAACATCACTGACCTGACGGAGAACAGACGAGACA 361

QY 711 cagcttcaactttctccagagcagctcaggtccgccttcaggtcttgaggtgctgct 770

Db 362 AGCGCTTCGCTTCATCCGCTCAGACAGTGGCCCCACCACAGTTTGTAGTCTCGCCGCT 421

QY 771 ggcctggctgttctctgtgtgccccgagagccccagcagccagtcacagtcaccaagg 830

Db 422 GCCCGGTTGGTTCCTCTGCACAGCGATGGAAGCTGACCGCCGTCAGCCTCACCATA 481

QY 831 agagtga 837

Db 482 TGCCTGA 488

RESULT 15

US-08-422-655-1

; Sequence 1, Application US/08422655

; Patent No. 5747072

; GENERAL INFORMATION:

; APPLICANT: Davidson, Beverly L.

; APPLICANT: Roessler, Blake J.

; TITLE OF INVENTION: ADENOVIRAL-MEDIATED GENE TRANSFER TO

; TITLE OF INVENTION: SYNOVIAL CELLS IN VIVO

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: CAMPBELL AND FLORES

; STREET: 4370 La Jolla Village Drive, Suite 700

; CITY: San Diego

; STATE: California

; COUNTRY: United States of America

ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/422,655
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/100,646
FILING DATE: 30-JUL-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UM 9693
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..534
US-08-422-655-1

Query Match		7.0%; Score 95; DB 1; Length 543;
Best Local Similarity		61.5%; Pred. No. 1.4e-19;
Matches 152; Conservative		0; Mismatches 95; Indels 0; Gaps 0;
Qy	591	ttttcctggggtaccaggaggagccgcctgctggcatgtgtggagacagagaggggc 650
Db	242	tgttcttgggaatccatggagggaagatgtgcctgtctgtcaagtctggtgatgaga 301
Qy	651	cttccctacagctggagatgtgaacattgaggaaactgtacaaagggtggtgaagggcca 710
Db	302	ccagactccagctggaggcagttacatcacctgacctgagcgcagacagaaacaggaca 361
Qy	711	cacgctcaccttctccagacagctcaggctccgccttcaggcttgaggctgtgcct 770
Db	362	agcgcctgcgccttcacgtcagacagtggtgcccaccaccagcttttgagctctgcgcct 421
Qy	771	ggcctgggtgttctgtgtgtggccggcagagcccccagcagccagctcacccaagg 830
Db	422	gccccgggtgttctgtgtgtgacagcagctggaagagctgaccagcccgctcacccaata 481
Qy	831	agagtga 837
Db	482	tgctga 488

Search completed: December 6, 2001, 08:37:58
Job time: 110 sec